

1pg GLO6FG

1) Solve the following proportions:

- a) $A/3 = 63/21$
- b) $12/B = 60/15$
- c) $9/11 = C/77$
- d) $24/28 = 6/D$

2) Write the ratios of the following:

a) The number of pennies in a nickel to the number of dimes in a dollar.

b) The number of seconds in a minute to the number of hours in a half day.

3) Find the unit rate of the following examples:

- a) Cost of an egg at \$3.60/dzn.
- b) 385 miles traveled on 11 gallons of gas.

4) Evaluate the problems below:

- a) What is 25% of 44?
- b) 12 is 20% of what?
- c) What percent is 4 of 4?

5) Fill in the chart below

fraction	decimal	percent
4/5		
	0.05	
		10%
3/4		
	0.14	
		50%

6) Compare using <, >, =

- $3/4$ _____ 0.75
- 0.4 _____ -0.03
- 0.6 _____ 0.6000
- $1/5$ _____ 0.125
- $-7/8$ _____ -1.0

7) If $A = 2$, $B = 3$, $C = 5$ and $D = 0$, evaluate each expression below:

- a) $A(C - D) + (B)^3 =$
- b) $B^2 + (A)(C) =$

8) Solve each equation for X:

- a) $19 + X = 35$
- b) $4X = 30$

9) Complete the chart below.

X	Y
2	4
3	9
5	25
7	
	81

Write a rule for completing the chart.

10) Arrange in increasing order:

-0.7, 7.0, 0.1, $(0)^7$, $-1\frac{1}{2}$, 0.7, $(1)^7$

11) Add:

- a) $3 + 1\frac{3}{4} + \frac{3}{8} =$
- b) $7.53 + 0.044 + 5 =$

12) Subtract:

- a) $9 - 8\frac{1}{5} =$
- b) $5\frac{3}{10} - 3\frac{1}{5} =$
- c) $3 - 0.11 =$
- d) $1.1 - 0.256 =$

13) Multiply:

- a) $57 \times 412 =$
- b) $23 \times 100 =$
- c) $4.4 \times 0.02 =$
- d) $8.73 \times 10 =$
- e) $55 \times \frac{1}{5} =$
- f) $4\frac{1}{2} \times \frac{2}{9} =$

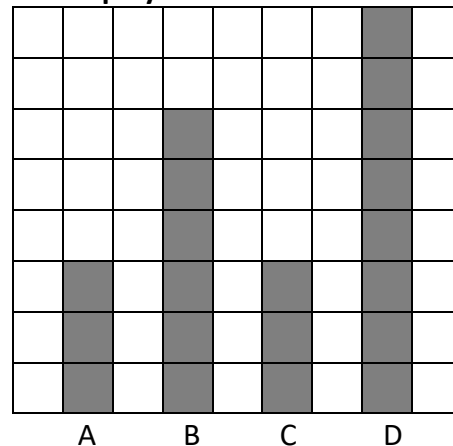
14) Divide:

- a) $3.172 \div 0.052 =$
- b) $8 \div 1000 =$

Name _____

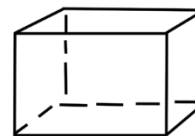
- c) $24 \div 0.8 =$
- d) $0.702 \div 13 =$
- e) $\frac{1}{5} \div \frac{2}{5} =$
- f) $4\frac{1}{7} \div \frac{1}{7} =$

15) In the data display below, the value of column C is 9. Find the mean, median, mode and range of the display.

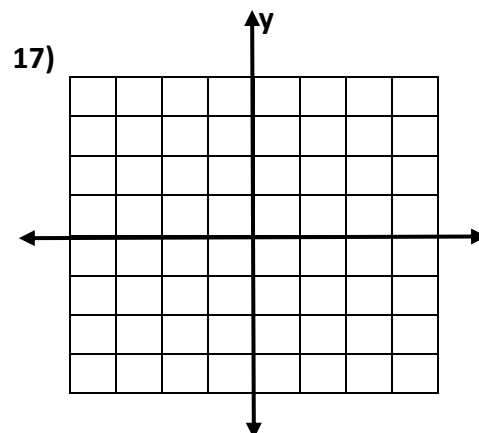


16) The volume of the rectangular prism shown below is 60 in³. Find the Width and Total Surface Area.

L = 5 in. H = 3 in.



17)



On the coordinate chart above, plot and label the following points:

A (3,1) B (2,0) C (-3,-1) D (0, -4)